

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

# **NOTICE OF ACCEPTANCE (NOA)**

Andersen Corporation 100 Fourth Ave. North Bayport, MN 5503

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** Series "Perma Shield" Vinyl Clad Wood Casement Window

**APPROVAL DOCUMENT:** Drawing No. **WO1-46**, dated 07/23/01, with revision dated 08/20/03, titled "Perma-Shield Vinyl Clad WD. Casement WDW.", sheets 1 through 5 of 5, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

## MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 02-0603.01, and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman**, **P.E.** 

NOA No 03-0919.03 Expiration Date: September 19, 2007 Approval Date: December 04, 2003

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## **Andersen Corporation**

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **WO1-46**, dated 07/23/01, with revision dated 08/20/03, titled "Perma-Shield Vinyl Clad WD. Casement WDW.", sheets 1 through 5 of 5, signed and sealed by Humayoun Farooq, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per TAS 202-94.
  - 2) Uniform Load Static Air Pressure Test, per TAS 202-94.
  - 3) Water Resistance Test, per TAS 202-94.
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94 along with the manufacturer's parts and section drawings marked-up by Architectural Testing Inc. report No. **ATI-02-45335.01** dated 05/21-23/03, signed and sealed by Joseph A. Reed, P.E.
- 2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, PA 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of a vinyl clad wood casement window, prepared by Architectural Testing, Inc., Test Report No. 02-33449.01, dated 9/10/01, signed and sealed by Allen Reeves, P.E. (Submitted under previous NOA#02-0603.01)
- 3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, PA 203-94
  - 6) Forced Entry Test, FBC 2411.3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of a vinyl clad wood casement window, prepared by Architectural Testing, Inc., Test Report No. 02-33001.01, dated 2/1/01, signed and sealed by Allen Reeves, P.E. (Submitted under previous NOA#02-0603.01)

Theodore Berman, P.È.

Deputy Director, Product Control Division

NOA No 03-0919.03

Expiration Date: September 19, 2007 Approval Date: December 04, 2003

### **Andersen Corporation**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94 along with marked-up drawings and installation diagram of a vinyl clad wood casement window, prepared by Architectural Testing, Inc., Test Report No. 02-33003.01, dated 2/8/01, signed and sealed by Allen Reeves, P.E. (Submitted under previous NOA#02-0603.01)
- 5. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of a vinyl clad wood casement window, prepared by Architectural Testing, Inc., Test Report No. 02-31312.01, dated 3/9/99, signed and sealed by Allen Reeves, P.E. (Submitted under previous NOA#02-0603.01)

#### C. CALCULATIONS

- 1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation, dated 1/2/02, signed and sealed by Humayoun Farooq, P.E.
- 2. Anchor Calculations and glass analysis, prepared by Al-Farooq Corporation, dated 2/5/03, signed and sealed by Humayoun Farooq, P.E.
- 3. Complies with ASTM E1300-98.

#### D. **OUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. **01-1204.01** issued to E.I. Dupont DeNemours for "Sentry Glass ® Plus" dated 1/17/02, expiring on 01/14/07.
- 2. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for "Saflex/Keepsafe Maximum dated 05/17/01, expiring on 05/21/06.

Theodore Berman, P.E.

**Deputy Director, Product Control Division** 

NOA No 03-0919.03

Expiration Date: September 19, 2007 Approval Date: December 04, 2003

# **Andersen Corporation**

# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## F. STATEMENTS

- 1. Statement letter of conformance, dated 09/13/03, signed and sealed by Humayoun Farooq, P.E.
- 2. Statement letter of no financial interest, dated 09/13/03, signed and sealed by Humayoun Farooq, P.E.

### G. OTHER

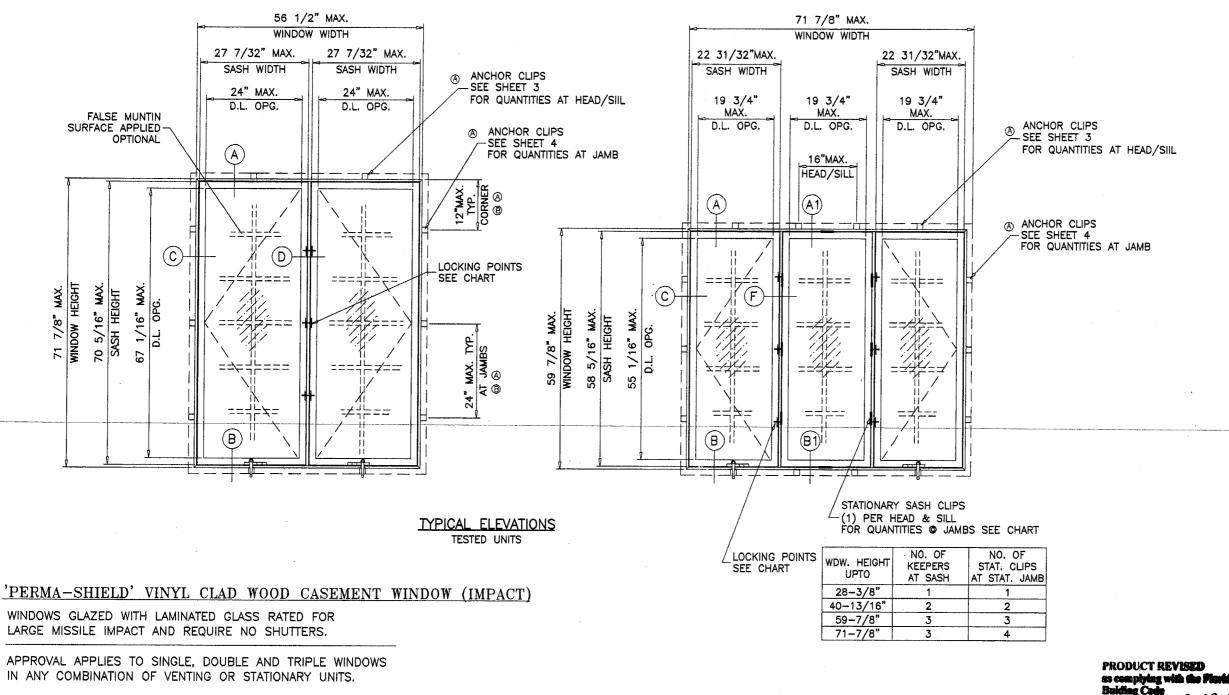
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (F.B.C.).

Medde German, P.E.
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0919.03

Expiration Date: September 19, 2007 Approval Date: December 04, 2003



as complying with the Flanck Acceptance No 03-0919.03 Expiration Date 09 119 10

Minmi Dade Product Control

Division

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88. ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.

WOOD BUCKS BY OTHERS (MIN. 2X4 GRADE 2 SYP), MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

Engr: DR. HUMAYOUN FARCOO STRUCTURES FLA. PE # 16557 C.A.N. 3538 SEP 0 9 2003

<u>Θ</u> Δ Δ scale: 1/2"=1'-0" 07-23-HAMID څ 늉 drawing no. W01 - 46

sheet 1 of 5

/ description
REV. PER BCCO COMMENTS
JAMB CLIPS SPACING REV.

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AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SHIELD' VINYL CLAD WD. CASEMENT WDW.

ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7681 FAX (-)

A W

PERMA-SHIELD'

DESIGN LOAD CAPACITY - PSF (SINGLE UNITS)						
			GL	ASS TYPI	E 'A' OR	'B'
WINDOW	UNIT WIDTH	UNIT HT.	VENTING (X) STATIONARY			NARY (O
DESCRIPTION	INCHES	INCHES	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
CR12	17"		67.0	82.0	67.0	82.0
CN12	20-1/2"	24-1/8"	67.0	82.0	67.0	82.0
C12	24-1/8"	24-1/0	67.0	82.0	67.0	82.0
CW12	28-3/8"		67.0	82.0	67.0	82.0
CR125	17"		67.0	82.0	67.0	82.0
CN125	20-1/2"	20 7/0"	67.0	82.0	67.0	82.0
C125	24-1/8"	28-3/8"	67.0	82.0	67.0	82.0
CW125	28-3/8"		67.0	82.0	67.0	82.0
CR13	17"		67.0	82.0	67.0	82.0
CN13	20-1/2"		67.0	82.0	67.0	82.0
C13	24-1/8"	35-15/16"	67.0	82.0	67.0	82.0
CW13	28-3/8"		67.0	82.0	67.0	82.0
CXW13	35-15/16"		67.0	82.0	67.0	82.0
CR135	17"		67.0	82.0	67.0	82.0
CN135	20-1/2"		67.0	82.0	67.0	82.0
C135	24-1/8"	40-13/16"	67.0	82.0	67.0	82.0
CW135	28-3/8"		67.0	82.0	67.0	82.0
CXW135	35-15/16"		67.0	82.0	67.0	82.0
CR14	17"		67.0	82.0	67.0	82.0
CN14	20-1/2"		67.0	82.0	67.0	82.0
C14	24-1/8"	48"	67.0	82.0	67.0	82.0
CW14	28-3/8"		67.0	82.0	67.0	82.0
CXW14	35-15/16 <b>"</b>		60.0	65.0	60.0	65.0
CR145	17"		67.0	82.0	67.0	82.0
CN145	20-1/2"		67.0	82.0	67.0	82.0
C145	24-1/8"	52-13/16"	67.0	82.0	67.0	82.0
CW145	28-3/8"	10, 10	67.0	82.0	67.0	82.0
CXW145	35-15/16"	-	60.0	65.0	60.0	65.0
CR15	17"		67.0	82.0	67.0	71.0
CN15	20-1/2"		64.0	68.0	67.0	71.0
C15	24-1/8"	59-7/8"	64.0	68.0		
CW15	28-3/8"	+	64.0	68.0	67.0 67.0	71.0
CR155	17"		60.0	64.0		71.0
CN155	20-1/2"	-	60.0	64.0	67.0	71.0
C155	24-1/8"	64-13/16"			67.0	71.0
CW155	28-3/8"	-	60.0	64.0	67.0	71.0
CR16	17"		50.0	52.0	67.0	70.8
	i	-	61.8	65.6	67.0	71.0
CN16	20-1/2" 24-1/8"	71-7/8"	60.0	64.0	67.0	71.0
C16		-	60.0	64.0	67.0	71.0
CW16	28-3/8"	<u>_</u>	50.0	52.0	65.5	65.5

	DESIGN LOAD CAPACITY - PSF (DOUBLE UNITS)								
				GLASS TYPE 'A' OR 'B'					
	WINDOW	UNIT WIDTH	UNIT HT.	XX, OX,	XO OR OO				
	DESCRIPTION	INCHES	INCHES	EXT. (+)	INT. (-)				
	CR23	33-3/4"		67.0	71.0				
	CN23 40-3/4" C23 48"		35-15/16"	67.0	71.0				
				67.0	71.0				
	CW23	56-1/2"		67.0	71.0				
	CR235	33-3/4"		67.0	71.0				
	CN235	40-3/4"	40 17/16"	67.0	71.0				
	C235	48"	40-13/16"	67.0	71.0				
	CW235	56-1/2"		67.0	71.0				
	CR24	33-3/4"		67.0	71.0				
	CN24 40-3/4" C24 48"		48"	67.0	71.0				
				67.0	71.0				
	CW24	56-1/2"		67.0	71.0				
	CR245	33-3/4"	52-13/16"	67.0	71.0				
	CN245	CN245 40-3/4"		67.0	71.0				
	C245	48"	32-13/10	67.0	71.0				
	CW245	56-1/2"		67.0	71.0				
	CR25	33-3/4"		67.0	71.0				
	CN25	40-3/4"	59-7/8"	63.7	67.5				
-	C25	48"	39-7/0	60.0	64.0				
	CW25	56-1/2"		60.0	64.0				
١	CR255	33-3/4"		60.7	64.3				
	CN255	40-3/4"	64-13/16"	60.0	64.0				
	C255	48"	04-13/10	55.7	59.4				
L	CW255	56-1/2"		50.0	52.0				
	CR26	33-3/4"		58.0	61.9				
	CN26	40-3/4"	71 7/0"	55.0	58.0				
	C26	48"	71-7/8"	55.0	58.0				
L	CW26	56-1/2"		50.0	52.0				

DESIGN	LOAD CAP	ACITY -	PSF (TRIPLE	UNITS)	
		UNIT HT.	GLASS TYPE 'A' OR 'B'		
WINDOW DESCRIPTION	UNIT WIDTH INCHES		XOX, OOX, XOO, OOO OR XXX		
			EXT. (+)	INT. (~)	
C33	71-7/8"	35-15/16"	67.0	71.0	
C335	71-7/8"	40-13/16"	67.0	71.0	
C34	71-7/8"	48"	60.0	64.0	
C345	71-7/8"	52-13/16"	60.0	64.0	
C35	71-7/8"	59-7/8"	60.0	64.0	

AL-FAROOQ CORPORATION
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PERMA-SHIELD' VINYL CLAD WD. CASEMENT WDW.

ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096

TEL (800) 426-7691 FAX (-)

date: 07–23–01

scale: 1/2" = 1"

dr. by: HAMID

drawing no. WO1-46

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